

Calculus Warm Up #12-2

Warm up first.

Evaluate:

$$\int \frac{x+1}{x^2+4x+3} dx$$

HW Quiz by group after HW questions.

HW Questions: p. 553

11. $\int_1^{\infty} \frac{1}{x^2} dx$

15. $\int_{-\infty}^{\infty} \frac{1}{1+x^2} dx$

17. $\int_0^{\infty} \frac{1}{e^x + e^{-x}} dx$

19. $\int_0^{\infty} \cos \pi x dx$

21. $\int_0^1 \frac{1}{x^2} dx$

23. $\int_0^8 \frac{1}{\sqrt[3]{8-x}} dx$

$$25. \int_0^1 x \ln x \, dx$$

This week:

Wed: Review (Tan WS turned in Friday)

Thurs: Test Part I, no calculator

HW: final exam review

Fri: Test Part 2, with calculator

HW: final exam review

HW Quiz by Group. (you're welcome!)

pgs. 516, 526, 536

HW out is ok for reference. Problems are like HW, but different numbers. Show all work by hand. Ok to check solutions with calculator.

HW: Pink Review WS,
due turned in on Friday